Figures 7A-7B. Electrostatic and carbohydrate surfaces of SCF and homology-modeled receptor Kit. (Fig. 7A) Electrostatic surface of SCF and worm of D2D3(Kit). (Fig. 7B) Electrostatic surface of Kit and worm of SCF. Negative potential is colored red and positive potential, blue, with greatest saturations at -10 and +10kT, respectively. Carbohydrate moieties are represented by CPK models of a β-D-N-acetylglucose (green for SCF moieties and yellow for potential Kit moieties. Figures were drawn by the program GRASP (Nicholls *et al.*, 1991).

Figures 8-1 to 8-76. X-ray crystallographic coordinates of truncated stem cell factor molecule comprising amino acids 1-141 of a human SCF polypeptide.

Figure 9. Suggested renaming of the waters of the X-ray crystallographic coordinates set forth in Figure 8.

Figures 10A-10B Design for a double-headed SCF ligand analog.(10A) General model (10B) Embodiment of the ligand head as an oligopeptide. The compound is the conjugation of a linker molecule with two ligand-head molecules. Each ligand head